

REMARKS

The present response amends claims 1 and 4-10 in conformity with the following remarks. Claims 1-13 remain pending in the captioned case. Further examination and reconsideration of the presently claimed application are respectfully requested.

Section 112 Rejection

Claims 1-13 were rejection under 35 U.S.C. § 112, second paragraph, as being indefinite. In response thereto, amendments to the claims are made herein to obviate this rejection.

With regard to claim 1, amendment is made to clarify that the word output from the pipeline control is at least twice as wide as the first data width entering the pipeline control. Accordingly, the system as claimed converts a first data width to a smaller second data width by producing a residual portion and a current portion from the pipeline control, and combining a delayed residual portion with the current portion to output the second data width. It is believed that the amendments to claim 1 clarify what is placed into the pipeline control and what is output from the pipeline control. Amendments are also made to denote the smaller data width as the second data width, and the smallest data width as the first data width.

With regard to claim 2, it is believed that the amendments to claim 1 now provide the proper antecedent basis.

With regard to claims 4 and 5, the phrase "a shifting" has been amended to "shifting." In addition, the phrase "the amount being shifted being an exponential function" has been deleted from claim 5.

With regard to claim 7, the phrase "and can be directed to the output conduit" has been deleted.

With regard to claim 8, similar amendments to those of claim 1 have been made to correct the objectionable language. The flow-through logic circuit is now one that outputs data having a width as wide as the second data, not somewhere between the first and second data widths as previously claimed.

With regard to claim 9, similar amendments to those of claims 1 and 8 have been made to correct the objectionable language. In addition, the grammatical error in line 5 has been corrected.

With regard to claim 10, similar amendments to those of claims 1, 8, and 9 have been made for consistency. In addition, clarification is made to identify non-initial and non-final sequences as those during the interim between the initial sequence and the final sequence.

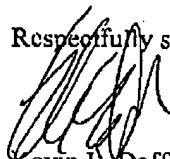
With regard to claim 11, it is believed that the amendments made to claim 10 now provide proper antecedent basis.

CONCLUSION

The present amendment and response is believed to be a complete response to the issues raised in the Office Action mailed May 17, 2005. In view of the amendments herein, Applicants assert that claims 1-13 are in condition for allowance. If the Examiner has any questions, comments, or suggestions, the undersigned attorney earnestly requests a telephone conference.

No fees are required for filing this amendment; however, the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment, to Daffer McDaniel, LLP Deposit Account No. 50-3268/5298-10800.

Respectfully submitted,



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